Xunbin Wei

List of Publications by Year
in descending order

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75 papers	3,026 citations	218677 26 h-index	168389 53 g-index
77 all docs	77 docs citations	77 times ranked	4253 citing authors

#	Article	IF	Citations
1	Early changes to the extracellular space in the hippocampus under simulated microgravity conditions. Science China Life Sciences, 2022, 65, 604-617.	4.9	6
2	Extended Ï€-Conjugative Carbon Nitride for Single 1064 nm Laser-Activated Photodynamic/Photothermal Synergistic Therapy and Photoacoustic Imaging. ACS Applied Materials & Interfaces, 2022, 14, 7626-7635.	8.0	15
3	Versatile ginsenoside Rg3 liposomes inhibit tumor metastasis by capturing circulating tumor cells and destroying metastatic niches. Science Advances, 2022, 8, eabj1262.	10.3	41
4	Light amplified oxidative stress in tumor microenvironment by carbonized hemin nanoparticles for boosting photodynamic anticancer therapy. Light: Science and Applications, 2022, 11, 47.	16.6	27
5	Automated retinal layer segmentation in optical coherence tomography images with intraretinal fluid. Journal of Innovative Optical Health Sciences, 2022, 15, .	1.0	1
6	A Multifunctional Layered Nickel Silicate Nanogenerator of Synchronous Oxygen Self-supply and Superoxide Radical Generation for Hypoxic Tumor Therapy. ACS Nano, 2022, 16, 974-983.	14.6	22
7	Soft Patch Interface-Oriented Superassembly of Complex Hollow Nanoarchitectures for Smart Dual-Responsive Nanospacecrafts. Journal of the American Chemical Society, 2022, 144, 7778-7789.	13.7	25
8	Shedding light on biology and healthcareâ€”preface to the special issue on Biomedical Optics. Light: Science and Applications, 2022, 11, .	16.6	3
9	Patientâ€derived organoids in cellulosic sponge model chemotherapy response of metastatic colorectal cancer. Clinical and Translational Medicine, 2021, 11, e285.	4.0	6
10	In Vivo Flow Cytometry. Advances in Experimental Medicine and Biology, 2021, 3233, 289-305.	1.6	1
11	Near-infrared light excited photodynamic anticancer therapy based on UCNP@AIEgen nanocomposite. Nanoscale Advances, 2021, 3, 2325-2333.	4.6	9
12	Direct control of store-operated calcium channels by ultrafast laser. Cell Research, 2021, 31, 758-772.	12.0	12
13	The Alteration of Brain Interstitial Fluid Drainage with Myelination Development. , 2021, 12, 1729.		9
14	Noninvasive and real-time monitoring of Au nanoparticle promoted cancer metastasis using in vivo flow cytometry. Biomedical Optics Express, 2021, 12, 1846.	2.9	5
15	Binary organic nanoparticles with enhanced reactive oxygen species generation capability for photodynamic therapy. Journal of Innovative Optical Health Sciences, 2021, 14, 2150009.	1.0	0
16	Monitoring radiofrequency therapyâ€induced tumor cell dissemination by in vivo flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 593-600.	1.5	2
17	Realâ€time monitoring of single circulating tumor cells with a fluorescently labeled deoxyâ€glucose by in vivo flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2021, 99, 586-592.	1.5	5
18	Rapid exÂvivo assessment of cancer prognosis by fluorescence imaging of nucleolus using nitrogen doped carbon dots. Analytica Chimica Acta, 2021, 1154, 338309.	5.4	11

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19	In vivo flow cytometry reveals a circadian rhythm of circulating tumor cells. Light: Science and Applications, 2021, 10, 110.	16.6	40
20	Photodynamic therapy reduces metastasis of breast cancer by minimizing circulating tumor cells. Biomedical Optics Express, 2021, 12, 3878.	2.9	7
21	Reply to Comment on â€œIn vivo flow cytometry reveals a circadian rhythm of circulating tumor cellsâ€• Light: Science and Applications, 2021, 10, 189.	16.6	2
22	Microglia modulation with 1070-nm light attenuates Aβ burden and cognitive impairment in Alzheimerâ€™s disease mouse model. Light: Science and Applications, 2021, 10, 179.	16.6	46
23	Noninvasive and early diagnosis of acquired brain injury using fluorescence imaging in the NIR-II window. Biomedical Optics Express, 2021, 12, 6984.	2.9	4
24	Advances of In Vivo Flow Cytometry on Cancer Studies. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 15-23.	1.5	40
25	Singleâ€Cell Detection and Photostimulation on a Microfluidic Chip Aided with Gold Nanorods. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 39-45.	1.5	4
26	Ca²⁺-Mediated Surface Polydopamine Engineering to Program Dendritic Cell Maturation. ACS Applied Materials & Interfaces, 2020, 12, 4163-4173.	8.0	13
27	In vivo flow cytometry combined with intravital microscopy to monitor kinetics of transplanted bone marrow mononuclear cells in peripheral blood and bone marrow. Molecular Biology Reports, 2020, 47, 1-10.	2.3	21
28	Oxygen self-enriched single-component â€œblack carbon nitrideâ€•for near-infrared phototheranostics. Nanoscale, 2020, 12, 21812-21820.	5.6	8
29	Binary Organic Nanoparticles with Bright Aggregation-Induced Emission for Three-Photon Brain Vascular Imaging. Chemistry of Materials, 2020, 32, 6437-6443.	6.7	41
30	Cancer stem cell property and gene signature in bone-metastatic Breast Cancer cells. International Journal of Biological Sciences, 2020, 16, 2580-2594.	6.4	7
31	Nucleolusâ€Targeted Photodynamic Anticancer Therapy Using Renalâ€Clearable Carbon Dots. Advanced Healthcare Materials, 2020, 9, e2000607.	7.6	61
32	Clearance of two organic nanoparticles from the brain via the paravascular pathway. Journal of Controlled Release, 2020, 322, 31-41.	9.9	44
33	Diagnosis and prognosis of myocardial infarction on a plasmonic chip. Nature Communications, 2020, 11, 1654.	12.8	83
34	Cytometry and Prevalent Cancers in Asia. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 11-14.	1.5	2
35	In Vivo Flow Cytometric Evaluation of Circulating Metastatic Pancreatic Tumor Cells after Highâ€Intensity Focused Ultrasound Therapy. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 900-908.	1.5	6
36	PD-L1 is a direct target of cancer-FOXP3 in pancreatic ductal adenocarcinoma (PDAC), and combined immunotherapy with antibodies against PD-L1 and CCL5 is effective in the treatment of PDAC. Signal Transduction and Targeted Therapy, 2020, 5, 38.	17.1	75

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37	Recent advances in fluorescence-based in vivo flow cytometry. Journal of Innovative Optical Health Sciences, 2019, 12, .	1.0	5
38	Recent advances in copper sulphide-based nanoheterostructures. Chemical Society Reviews, 2019, 48, 4950-4965.	38.1	85
39	Drug Delivery: Activated PlateletsâEŤargeting Micelles with Controlled Drug Release for Effective Treatment of Primary and Metastatic Triple Negative Breast Cancer (Adv. Funct. Mater. 13/2019). Advanced Functional Materials, 2019, 29, 1970086.	14.9	1
40	Engineered g-C₃N₄ Quantum Dots for Tunable Two-Photon Imaging and Photodynamic Therapy. ACS Applied Bio Materials, 2019, 2, 1998-2005.	4.6	42
41	Activated PlateletsâEŤargeting Micelles with Controlled Drug Release for Effective Treatment of Primary and Metastatic Triple Negative Breast Cancer. Advanced Functional Materials, 2019, 29, 1806620.	14.9	43
42	Monitoring circulating tumor cells in vivo by a confocal microscopy system. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 657-663.	1.5	10
43	Visualizing Interactions of Circulating Tumor Cell and Dendritic Cell in the Blood Circulation UsingIn VivoImaging Flow Cytometry. IEEE Transactions on Biomedical Engineering, 2019, 66, 2521-2526.	4.2	10
44	Monitoring circulating prostate cancer cells by in vivo flow cytometry assesses androgen deprivation therapy on metastasis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2018, 93, 517-524.	1.5	22
45	Noninvasive monitoring of nanoparticle clearance and aggregation in blood circulation by in vivo flow cytometry. Journal of Controlled Release, 2018, 278, 66-73.	9.9	16
46	Rapid direct aperture optimization via dose influence matrix based piecewise aperture dose model. PLoS ONE, 2018, 13, e0197926.	2.5	4
47	Algorithm to identify circulating tumor cell clusters using in vivo flow cytometer. Journal of Innovative Optical Health Sciences, 2018, 11, 1850024.	1.0	0
48	Investigation on the optimal wavelength for two-photon microscopy in brain tissue. AIP Advances, 2018, 8, .	1.3	0
49	Photostimulation by femtosecond laser triggers restorable fragmentation in single mitochondrion. Journal of Biophotonics, 2017, 10, 286-293.	2.3	6
50	Nanoparticles Coated with Neutrophil Membranes Can Effectively Treat Cancer Metastasis. ACS Nano, 2017, 11, 1397-1411.	14.6	392
51	Proportion of circulating tumor cell clusters increases during cancer metastasis. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 250-253.	1.5	51
52	A Noninvasive and Real-Time Method for Circulating Tumor Cell Detection by In Vivo Flow Cytometry. Methods in Molecular Biology, 2017, 1634, 247-262.	0.9	3
53	Nanoscale imaging and sensing for biomedical applications. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 758-759.	1.5	4
54	Three-Dimensional Barcodes with Ultrahigh Encoding Capacities: A Flexible, Accurate, and Reproducible Encoding Strategy for Suspension Arrays. Chemistry of Materials, 2017, 29, 10398-10408.	6.7	41

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55	Inactivation of STAT3 Signaling Impairs Hair Cell Differentiation inÂtheÂDeveloping Mouse Cochlea. Stem Cell Reports, 2017, 9, 231-246.	4.8	17
56	A MicroRNA302-367-Erk1/2-Klf2-S1pr1 Pathway Prevents Tumor Growth via Restricting Angiogenesis and Improving Vascular Stability. Circulation Research, 2017, 120, 85-98.	4.5	37
57	Neovasculature and circulating tumor cells dual-targeting nanoparticles for the treatment of the highly-invasive breast cancer. Biomaterials, 2017, 113, 1-17.	11.4	60
58	Facile synthesis of superparamagnetic iron oxide nanoparticles with tunable size: from individual nanoparticles to nanoclusters. Micro and Nano Letters, 2017, 12, 749-753.	1.3	6
59	<scp>SIRT</scp>2 mediates <scp>NADH</scp>â€induced increases in Nrf2, <scp>GCL</scp>, and glutathione by modulating Akt phosphorylation in <scp>PC</scp>12 cells. FEBS Letters, 2016, 590, 2241-2255.	2.8	33
60	eEF1A1 binds and enriches protoporphyrin IX in cancer cells in 5-aminolevulinic acid based photodynamic therapy. Scientific Reports, 2016, 6, 25353.	3.3	11
61	Selective imaging and cancer cell death via pH switchable near-infrared fluorescence and photothermal effects. Chemical Science, 2016, 7, 5995-6005.	7.4	94
62	Malate-aspartate shuttle inhibitor aminooxyacetic acid leads to decreased intracellular ATP levels and altered cell cycle of C6 glioma cells by inhibiting glycolysis. Cancer Letters, 2016, 378, 1-7.	7.2	34
63	Near infrared in vivo flow cytometry for tracking fluorescent circulating cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 878-884.	1.5	24
64	Circulating tumor cells are correlated with disease progression and treatment response in an orthotopic hepatocellular carcinoma model. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 1020-1028.	1.5	34
65	Morphological change of CD4+ T cell during contact with DC modulates T-cell activation by accumulation of F-actin in the immunology synapse. BMC Immunology, 2015, 16, 49.	2.2	27
66	The bullseye synapse formed between CD4 + Tâ€cell and staphylococcal enterotoxin Bâ€pulsed dendritic cell is a suppressive synapse in Tâ€cell response. Immunology and Cell Biology, 2015, 93, 99-110.	2.3	11
67	Aberration correction during real time in vivo imaging of bone marrow with sensorless adaptive optics confocal microscope. Journal of Biomedical Optics, 2014, 19, 1.	2.6	5
68	NAD+ treatment prevents rotenone-induced apoptosis and necrosis of differentiated PC12 cells. Neuroscience Letters, 2014, 560, 46-50.	2.1	27
69	Signal and depth enhancement for in vivo flow cytometer measurement of ear skin by optical clearing agents. Biomedical Optics Express, 2013, 4, 2518.	2.9	44
70	Circulation times of prostate cancer and hepatocellular carcinoma cells by in vivo flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 848-854.	1.5	41
71	Imaging Molecular Expression on Vascular Endothelial Cells by In Vivo Immunofluorescence Microscopy. Molecular Imaging, 2006, 5, 7290.2006.00004.	1.4	31
72	In vivo imaging of specialized bone marrow endothelial microdomains for tumour engraftment. Nature, 2005, 435, 969-973.	27.8	820

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73	In Vivo Flow Cytometry. Cancer Research, 2004, 64, 5044-5047.	0.9	203
74	Specialized Bone Marrow Endothelium Defines Microdomains for Tumor and Stem Cell Engraftment.. Blood, 2004, 104, 663-663.	1.4	0
75	Selective Uptake of Indocyanine Green by Reticulocytes in Circulation. , 2003, 44, 4489.		28